

The Urban District Council
of Formby.



Third Annual Report



OF THE


Medical Officer of Health

AND OF THE

Sanitary Inspector

For the Year 1907.

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Annual Report for 1907.



COUNCIL OFFICES,
FORMBY, MARCH, 1908.

*To the
Chairman and Members of the Health Committee
of the Urban District Council of Formby.*

GENTLEMEN,

I have pleasure in submitting my Third Annual Report on the Health and Sanitary Condition of your District during the year ending December 31st, 1907, together with the Report of the Sanitary Inspector in accordance with the requirements of the Local Government Board.

The Report includes Seven Tables, dealing with the Vital Statistics of the District ; five tables are required by the Local Government Board, one by the Home Office, and Table " C " by the County Medical Officer of Health.

Table I. deals with the Vital Statistics for the whole District for 1907 and the past ten years.

Table II. deals with the Vital Statistics for the separate localities for 1907 and the past ten years.

NOTE.—This District is not split up into localities.

Table III. deals with Infectious Diseases notified during 1907.

Table IV. shows the causes of, and ages at death, during the year 1907.

Table V. deals with Infantile Mortality during 1907.

Table VI. is a summary of the work done under the Factory and Workshops Acts.

Table VII. is a summary and report required by the Medical Officer of Health for the County.

VITAL STATISTICS.

BIRTH RATE.

The Population is estimated at 6,342, based on an average of 5.25 persons to a house. The number of Births registered is 108, shewing a decrease of 17 against the returns of 1906. The rate per 1000 births registered is 17.02. The rate for the past ten years is 20.8, thus a large decrease in the number of births has occurred, which is a matter to be looked upon with regret ; the birth-rate is the lowest during the past 12 years.

DEATH RATE.

The number of Deaths registered is 70, giving a death-rate of 11.02, which is slightly below the average of the past 12 years.

INFANTILE MORTALITY.

The number of deaths of Infants under one year is 6. This I am pleased to report is considerably below the average number for the past ten years, namely, 13.7. The rate per 1000 for the past ten years works out at 112.9, and for this year only 55.5. It is to be sincerely hoped that this low return of infantile mortality will be maintained, and, if possible, reduced.

INFECTIOUS DISEASES.

During the year 85 cases of Infectious Diseases were notified to me during the year in accordance with the provisions of the Notification Act. The cases occurred in 67 houses ; 28 were removed to the Infectious Hospital at Birkdale, of which three cases proved fatal ; and 57 were treated at home, of which two died.

The following Table gives the number of cases notified during the past eight years :—

1900	60	1904	35
1901	45	1905	18
1902	66	1906	35
1903	130	1907	85

The returns previous to 1900 are not available. The average number of infectious cases since 1900 to the end of 1906 is 55.4. Owing to the *large* number of cases this year the average from 1900 to 1907 has increased to 59.1.

It will be seen from the above Table that this class of disease is in a state of fluctuation, and no steady decrease in the numbers can be hoped for until the majority of cesspools and privies are done away with, and strict measures are undertaken by the Council to isolate the cases as they occur.

SCARLET FEVER.

Forty cases of Scarlet Fever occurred during the year, as against eight last year ; 28 were treated at home, and 12 were removed to Hospital. One of the cases proved fatal.

During the past eight years the following cases of scarlet fever have been notified :—

In 1900.....	42	In 1904.....	28
1901.....	9	1905.....	9
1902.....	14	1906.....	8
1903.....	3	1907.....	40

It will thus be seen that during this past year nearly the high-water mark of the year 1900 has been reached.

DIPHTHERIA.

Thirty-six cases of Diphtheria were notified from 27 houses ; 14 were removed to Hospital, and 22 were treated at home. The majority of cases were of an exceedingly mild character. Two cases died in Hospital.

TYPHOID FEVER.

Three cases were notified during the year, one was treated at home ; two treated at Hospital, one of which proved fatal.

ERYSIPELAS.

Five cases of Erysipelas were notified, all of which were treated at home.

PUERPERAL FEVER.

One case of Puerperal Fever occurred, which was carefully isolated.

INFECTIOUS HOSPITAL.

Owing to the lack of accommodation at Birkdale during the period when infectious cases were prevalent, most of the Formby cases were treated at home, which had the effect of originating fresh cases, and this will occur until better arrangements are made for isolation. I strongly recommend the Council to take measures for dealing with their own cases, both for Isolation and Disinfection.

INSPECTION OF THE DISTRICT.

I have accompanied your Sanitary Inspector on many occasions during the year on his visits to various houses dairies, shippons, bakehouses, and workshops in the District. A house to house inspection has been made of the houses at Willow Grove, Formby Street, New Road, and Cable Street. Work has already commenced to sewer Willow Grove and Formby Street, and on its completion there should be no further trouble as to their sanitary condition.

DAIRIES, COWSHEDS, &c.

Steps have been taken during the year to impress on the owners and occupiers of the above premises the absolute necessity of reconstructing the buildings used by them, and I am pleased to report that during the year improvements have been made.

In some of the old buildings the work of thorough cleansing is impossible, but I have always found the various cow-keepers anxious to have their places thoroughly clean. []

SANITARY STATE OF THE DISTRICT AT THE END
OF THE YEAR.

The sanitary state of the District cannot be regarded as satisfactory until the completion of sewerage operations. Progress is being made, and it is hoped that by the middle of summer this year that the majority of the houses within the sewerage area will be completed.

I am, Gentlemen,

Your obedient Servant,

FRANCIS CARTER,

Medical Officer of Health.

TABLE I. Formby Urban District.

Vital Statistics during 1907 and previous years.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		DEATHS UNDER ONE YEAR OF AGE.		DEATHS AT ALL AGES. TOTAL.		TOTAL DEATHS IN PUBLIC INSTI- TUTIONS	Deaths of Non- residents regis- tered in District.	Deaths of residents regis- tered beyond District.	DEATHS AT ALL AGES. NETT.	
		Number.	Rate.*	Number	Rate per 1000 Births registered	Number.	Rate.*				Number.	Rate.*
1	2	3	4	5	6	7	8	9	10	11	12	13
1897.	5,312	138	25.9	19	137.6	30	15.04	7	7	1	30	15.04
1898.	5,421	109	20.1	10	91.7	63	11.62	9	9	...	63	11.62
1899.	5,530	134	24.2	20	149.2	79	14.28	7	7	1	79	14.28
1900.	5,647	125	22.1	15	123.0	88	15.56	3	3	2	88	15.56
1901.	5,649	117	20.7	14	110.6	53	9.36	5	5	1	53	9.36
1902.	5,764	108	18.7	14	129.6	69	11.96	...	...	4	69	11.96
1903.	5,906	110	18.6	10	90.9	64	10.83	4	4	3	64	10.83
1904.	6,030	111	18.4	15	135.1	74	12.27	8	8	9	74	12.27
1905.	6,086	122	20.04	9	73.7	66	10.84	6	6	4	66	10.84
1906.	6,325	125	19.7	11	88.0	66	10.4	2	2	2	66	10.4
Averages for years 1897—1906.	5,767	119.9	20.8	13.7	112.9	65.2	12.61	5.1	5.1	2.7	65.2	12.61
1907.	6,342	108	17.02	6	55.5	70	11.02	7	7	7	70	11.02

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term “Non-residents” is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term “Residents” is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The “Public Institutions” to be taken into account for the purposes of these Tables are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses, and lunatic asylums. A list of the Institutions in respect of the deaths in which corrections have been made should be given on the back of this table.

Area of District in acres (exclusive of area covered by water), 5,427.

At Census of 1901—Total population at all ages, 5,642.

TABLE II. Formby Urban District.

Vital Statistics during 1907 and previous years.

YEAR.	Population estimated of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 Year.	
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	
1897 ...	5,312	138	30	19	<p>(a) The separate localities adopted for this table should be areas of which the populations are obtainable from the census returns, such as wards, parishes or groups of parishes, or registration sub-districts. Block 1 may, if desired, be used for the whole district: and blocks 2, 3, &c., for the several localities. In small districts without recognised divisions of known population this table need not be filled up.</p> <p>(b) Deaths of residents occurring in public institutions beyond the district are to be included in sub-columns <i>c</i> of this table, and those of non-residents registered in public institutions in the district excluded. (See note on Table I. as to meaning of terms "resident" and "non-resident.")</p> <p>(c) Deaths of residents occurring in public institutions whether within or without the district, are to be allotted to the respective localities, according to the addresses of the deceased.</p> <p>(d) Care should be taken that the gross totals of the several columns in this table respectively equal the corresponding totals for the whole district in Tables I. and IV.: thus, the totals of sub-columns <i>a</i>, <i>b</i>, and <i>c</i> should agree with the figures for the year in the columns 2, 3, and 12, respectively, of Table 1.: the gross total of the sub-columns <i>c</i> should agree with the total of column 2 in Table IV., and the gross total of sub-columns <i>d</i> with the total of column 3 in Table IV.</p>
1898 ...	5,421	109	63	10	
1899 ...	5,530	134	79	20	
1900 ...	5,647	125	88	15	
1901 ...	5,649	117	53	14	
1902 ..	5,764	108	69	14	
1903 ..	5,906	110	64	10	
1904 ...	6,030	111	74	15	
1905 ...	6,086	122	64	9	
1906 ...	6,325	125	66	11	
Averages of Years 1897 to 1906.	5,767	119.9	65.2	13.7	
1907 ...	6,342	428	70	6	

TABLE III. Formby Urban District.
Cases of Infectious Disease notified during the Year 1907.

NOTIFIABLE DISEASE.	CASES NOTIFIED.						
	At all Ages.	At Ages —+ Years.					
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.
Small-pox ...	...	...	...	...	...	...	...
Cholera ...	...	...	...	...	...	...	...
Diphtheria (including Membranous croup)	36	...	2	25	8	1	...
Erysipelas ...	5	1	...	...	1	2	1
Scarlet fever ...	40	...	8	28	2	2	...
Typhus fever ...	...	...	...	...	...	...	...
Enteric fever ...	3	...	...	...	1	2	...
Relapsing fever ...	...	...	...	...	...	...	...
Continued fever ...	...	...	...	...	...	...	...
Puerperal fever ...	1	...	...	...	...	1	...
Plague ...	...	...	...	...	...	...	...
* Measles (voluntary).	...	...	...	...	...	...	...
Whooping Cough "	...	...	...	...	...	...	...
Totals ...	85	1	10	53	12	8	1

NOTES.—The localities adopted for this Table should be the same as those in Tables II. and IV.

State the name of the isolation hospital, if any, used by the sick of the district. Mark (H) the locality in which it is situated, or if not within the district, state where it is situated, and in what district.

* This space may be used for record of other disease the notification (compulsory or voluntary) of which is in force in the district.

+ These age columns for notifications should be filled up in all cases where the Medical Officer of Health, by inquiry or otherwise, has obtained the necessary information.

Isolation Hospital.—Birkdale.

TABLE IV. Formby Urban District.

Causes of, and Ages at, Death during the Year 1917.

CAUSES OF DEATH.	DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING IN OR BEYOND THE DISTRICT.							Total Deaths whether of Residents or non-residents in Public Institutions in the District.
	All ages.	Under 1 year.	1 and under 5	5 and under 15.	15 and under 25.	25 and under 65	65 and upwards.	
Scarlet Fever... ..	1	...	1	...	...	...	...	...
Diphtheria and mem- branous croup ... ..	...	...	...	...	1	...	...	...
Enteric fever... ..	1	...	...	...	...	1	...	..
Enteritis	1	...	...	1	...	...	...	...
Other septic diseases...	...	..	...	...	...	1	..	...
Phthisis (Pulmonary Tuberculosis)	4	...	...	1	...	3	...	...
Other tubercular di- seases	1	...	...	...	1	...	...	...
Cancer, malignant di- sease	4	...	...	...	...	3	1	...
Bronchitis	5	1	1	...	..	1	2	...
Pneumonia	15	2	..	1	2	6	4	2
Alcoholism	4	...	...	..	...	...	4	...
Premature birth	1	1	...	...	...	...	...	...
Diseases and Accidents of parturition	1	...	...	..	...	..	...	1
Heart diseases	8	...	...	...	...	6	2	...
Accidents	3	...	...	1	1	1	..	1
All other causes	21	2	...	...	...	5	14	3
All causes	70	6	2	4	4	27	27	7

NOTES TO TABLES IV. AND V.

- (a) In Table IV., all deaths of "Residents" occurring in public institutions, whether within or without the district are to be *included* with the other deaths in the columns for the several age groups (columns 2-5). They are also, in columns 9-15, to be *included* among the deaths in their respective "Localities" according to the previous addresses of the deceased as given by the Registrars. Deaths of "Non-residents" occurring in public institutions in the district are in like manner to be *excluded* from columns 2-8 and 9-15 of Table IV.
- (b) See notes on Table I. as to the meaning of "Residents" and "Non-residents," and as to the "Public Institutions" to be taken into account for the purpose of these Tables. The "Localities" in Table IV. should be the same as those in Tables II. and III.
- (c) All deaths occurring in public institutions situated within the district, whether of "Residents" or "Non-residents," are, in addition to being dealt with as in note (a), to be entered in the last column of Table IV. The total number in this column should equal the figures for the year in column 9, Table I.
- (d) The total deaths in the several "Localities" in columns 9-15 of Table IV. should equal those for the year in the same localities in Table II. sub-columns c. The total deaths at all ages in column 2 of Table IV. should equal the gross total of columns 9-15, and the figures for the year in column 12 of Table I.
- (e) Under the heading of "Diarrhœa" are to be included deaths registered as due to Epidemic diarrhœa, Epidemic enteritis, Infective enteritis, Summer diarrhœa, Dysentery and Dysenteric diarrhœa, Choleraic diarrhœa, Cholera and Cholera Nostras.
- In addition, and as regards deaths of children *under one year of age*, under the heading "Diarrhœa" in column 3 (Table IV.) are to be included all deaths classified as "Diarrhœal diseases" in Table V.
- Under the heading of "Enteritis" in Table IV., are to be included only deaths *over one year of age* registered as due to Enteritis, Muco-enteritis, Gastro-enteritis, Gastric catarrh, Gastritis, and Gastro-intestinal catarrh, unless from information obtained by enquiry from the certifying practitioner or otherwise, the Medical Officer of Health should have reason for including such deaths, under the specific term "Diarrhœa." Deaths from diarrhœa secondary to some other well-defined disease should be included under the latter.
- (f) Under the headings of "Cancer" and "Puerperal fever" should be included all registered deaths from causes comprised within these general terms. Thus: Under "Cancer" should be included deaths from Cancer, Carcinoma, Malignant disease, Scirrhous, Epithelioma, Sarcoma, Villous tumour, and Papilloma of bladder, Rodent ulcer. Under "Puerperal Fever" are to be included deaths from Pyæmia, Septicæmia, Sapræmia, Pelvic peritonitis, Peri- and Endo-Metritis occurring in the Puerperium.
- (g) Under "Congenital Defects" in Table V. are to be included deaths from Atelectasis, Icterus neonatorum, Navel hæmorrhage, Malformations, and Congenial hydrocephalus.
- (h) Under "Tuberculous Meningitis" are to be included deaths from Acute hydrocephalus.
- (i) Under "Other Tuberculous Diseases" are to be included deaths from Tuberculosis, Tuberculosis of bones, joints and other organs, Lupus and Scrofula.
- (j) All deaths certified by registered Medical Practitioners and all Inquest cases are to be classed as "Certified"; all other deaths are to be regarded as "Uncertified."

In recording the facts under the various headings of Tables I., II., III., IV., and V., attention has been given to the notes on the Tables.

TABLE V.—Formby Urban District. Infantile Mortality during the Year 1907.
Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 week.	1—2 weeks.	2—3 weeks.	3—4 weeks.	Total under 1 month.	1—2 months.	2—3 months.	3—4 months.	4—5 months.	5—6 months.	6—7 months.	7—8 months.	8—9 months.	9—10 months.	10—11 months.	11—12 months.	Total Death under One Year.
All Causes { Certified ... Uncertified..	1 1	... ...	... ...	... ...	1 1	1 ...	... ...	... ...	... ...	... 1	... ...	... ...	... ...	1 ...	1 ...	... ...	4 2
Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea, all forms	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gastritis, Gastro-intestinal Catarrh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
Congenital Defects	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Injury at Birth...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Want of Breast-Milk,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Starvation ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atrophy, Debility,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marasmus ...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
Tuberculous Meningitis.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis (not Tuberculous	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...)
Convulsions ...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
Bronchitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2
Other causes ...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
	2	...	...	...	2	1	...	...	1	...	...	...	...	1	1	...	6

District—Formby Urban District.

Population (estimated to middle of 1907)—6,342.
 Births in the year—legitimate, 106 ; illegitimate, 2.
 Deaths from all Causes at all Ages—70.
 Deaths in the year—legitimate infants, 6 ;

TABLE VI.**URBAN DISTRICT COUNCIL OF FORMBY.**

Annual Report of the Medical Officer of Health for
the Year 1907,

on the administration of the Factory and
Workshop Act, 1901, in connection with

**FACTORIES, WORKSHOPS, LAUNDRIES, WORK-
PLACES, AND HOMEWORK.**

Including Inspections made by Sanitary Inspectors or Inspectors of
Nuisances.

1.—Inspection.

Premises.	Number of		
	Inspections.	Written Notices	Prosecutions
Factories (Including Factory Laundries).	6	...	...
Workshops (Including Workshop Laundries).	83	3	...
Workplaces (Other than Outworkers' Premises- included in Part 3 of this Report)	23	...	...
Total	112	3	...

2.—Defects Found.

Particulars.	Number of Defects.	
	Found.	Remedied.
Want of cleanliness... ..	1	1
Overcrowding	2	2
Want of drainage of floors	1	1
Breach of special sanitary requirements for bakehouses (ss. 97 to 100)	2	2
Total	6	6

3.—Home Work.

NATURE OF WORK.	Outworkers' Lists, Section 107.	Number of Inspections of Outworkers' premises.
	Numbers of Addresses of Outworkers received from other Councils.	
Wearing Apparel	1 5/3/07 10/9/07	3
TOTAL... ..	1	3

4.—Registered Workshops.

Workshops on the Register (s. 131) at the end of the year.	Number.
Bakehouses	7
Dressmakers	11
Bootmakers	9
Cycle Repair Shops	1
Cabinet Maker	1
Joiners and Builders	5
Saddler	1
Tinsmith	1
Wheelwright	1
Laundry	1
Total number of Workshops on Register	38

TABLE VII.

County of Lancaster.

Summary of Medical Officer's Report for 1907.

Urban District of Formby.

Area in Statute Acres—5427.

Population (Census) 1901—5642.

Population (estimated) 1907—6342.

Name of Medical Officer of Health—Francis Carter ; Salary
£40.

Births Registered : Males, 53 ; Females, 55 ; Total, 108.

Deaths Registered (Nett deaths belonging to the District) :
Males, 34 ; Females, 36 ; Total, 70.

Number of Illegitimate Births Registered—2.

Deaths of Illegimates under one year of age—None.

Birth Rate—15.43.

Death Rate—11.02.

Rate of Infant Deaths, under one year, to 1,000 Births—55.5

Death Rate from the * seven principal epidemic Diseases per
1,000 of population—55.5.

Diseases prevalent ?—Scarlatina, Diphtheria, and Measles.

Period ?—Spring and Autumn.

What action taken ?—See Report.

Any Schools closed ?—Yes.

If so, for what Disease ?—Measles.

What is the character of the Hospital accommodation ?—For Smallpox, none ; for other Infectious Diseases, Birkdale Fever Hospital.

† Is it Joint or otherwise ? (see footnote)—Joint.

Number of Beds available for your District ?—16.

Number of cases treated ?—Small-pox, 0 ; Diphtheria, 14 ; Scarlet Fever, 12 ; Enteric Fever, 2 ; Total, 28.

Deaths in Hospital ?—3. From what causes ?—Diphtheria and Enteric Fever.

How is disinfection carried out ?—Houses : Fumigation and Spray. Clothing, Bedding, etc. : Super-heated Steam. Apparatus used : Washington Lyon. Where situated : Birkdale.

Number of cases of Infectious Diseases notified ?—85.

Are any Diseases not specially mentioned in the Act notifiable (for instance, Measles, Whooping Cough, Diarrhoea, Chicken Pox, etc.) ? If so, what are they ?
—No.

Has any arrangement been made for the “ voluntary ” notification of Phthisis ?—No.

Is Diphtheritic Anti-toxin supplied to Medical Practitioners free of charge ?—Yes.

* Small-pox ; Scarlet Fever ; Diphtheria and Membranous Croup Fever—Typhus, Typhoid, and Continued ; Measles ; Whooping Cough and Diarrhoea.

† If you have the Joint use of Isolation Hospital belonging to neighbouring Authority state nature of agreement, if any.

SUMMARY—*Continued.*

Action taken under "The Housing of the Working Classes Acts"	No. of Houses condemned ? None. Closed ? None. Demolished ?—Two. Made habitable ?—None.
From where is the Water Supply obtained, and what is its condition ? Is it subject to your inspection ? ..	Southport Water Board. Good, but very hard. No.
Is Scavenging carried out satisfactorily ? By Sanitary Authority, Contract, or otherwise	Yes. By Sanitary Authority and Contract.
How is the Refuse disposed of ? Has a Destructor been provided ?	Deposited on open land, sorted, part used as manure, surplus levelled and buried. No.
What is the character of Drainage and the form of Sewage Disposal ?	Cesspools.
Canal Boats (Number Inspected) ?	None.
What is the condition of Bakehouses ?	Satisfactory.
Slaughter Houses ? Has a Public Abattoir been Provided ?	Two. No.
Lodging Houses ? Are they Registered ?	None. No.

SUMMARY—*Continued.*

Dairies, Cowsheds, and Milk-shops—Are they periodically inspected ?	Yes.
What is their condition ? ..	As satisfactory as possible under their present structural condition.
Have Regulations been made under the Order of the Local Government Board ?	Yes.
Are they enforced ?	No, not to full extent.
What amount of air space in cubic feet is required for each cow ?	800 cubic feet.
Food unfit for Human Consumption. Amount seized	None.
Department of Inspector of Nuisances	No. of Notices served ?—188. Nuisances remedied ?—564. No. of Legal Proceedings taken and result ?—None.
Closet accommodation of the District	No. of Privy Middens ?—613. Pail Closets ?—421. Fresh Water Closets ?—380. Waste Water Closets ?—None. No. of Privy Middens converted during 1907 ?—To W.C.'s.—None. To Pails, etc.—23.
Smoke	No. of Observations ?—None. No. of Legal Proceedings taken and result ?—None. What is the time limit for the emission of black smoke per hour ?—

SUMMARY.—*Continued.*

Has the Authority adopted—	
(a) “The Infectious Disease (Prevention) Act, 1890” ?	Yes.
(b) “The Public Health Acts Amendment Act, 1890” ?	Yes.
(c) “The Notification of Births Act, 1907” ? If not, have any steps been taken with a view to its adoption ?	No. Under consideration.

COUNCIL OFFICES,
FORMBY, FEBRUARY, 1908.

*To the
Chairman and Members of the Health Committee
of the Urban District Council of Formby.*

GENTLEMEN,

I have pleasure in submitting my Third Annual Report as to the Sanitary Inspections made by me during the past year, together with particulars of Nuisances abated and the improvements thereby effected.

INSPECTION OF THE DISTRICT.

Many complaints have been received as to nuisances existing in various parts of the District. These complaints have been investigated, and when necessary, action taken to remedy existing defects. In addition, a house to house inspection has been made in the following streets :—Willow Grove, Formby Street, New Road, Massam's Lane, Queen's Avenue, Cummen's Avenue, Watchyard Lane, and Cable Street.

NOTICES SERVED, &c.

In consequence of the inspections made 210 notices, dealing with 265 nuisances, etc., were served upon owners or occupiers to abate nuisances or carry out sanitary improvements. These notices were for the greater part promptly attended to ; in six instances only was it necessary to request service of legal notice. In no instance was it found necessary to apply for a magistrates' order.

The work executed under all Sanitary Notices was examined and tested to ensure that such work was done in a workmanlike manner, and that a recurrence of the nuisance was rendered an improbability.

CESSPOOLS.

Fourteen cesspools which were found to be defective or in a foul condition have been cleansed, repaired, and provided with means of ventilation, or re-covered during the past year. Strict attention has been kept on the cesspools in the neighbourhood of Formby Street, Willow Grove, New Road, Queen's Avenue, where cesspools in use have been emptied regularly either by the landlords or occupiers.

During the ensuing twelve months the cesspools in Willow Grove and Formby Street will in all probability be abolished, as the sewerage of the streets is rapidly approaching completion. Steps have also been taken by the Council for the sewerage of the Carr's Crescent Estate, where cesspools dealing with faecal matter are in close proximity to the dwelling-houses, and it is to be hoped that this work will also be accomplished before the end of the present year. I would again call the attention of occupiers of houses to the advisability of keeping the drain inlet to the cesspool entirely clear of the contents of cesspools as lack of this precaution tends to the entire chokage of the drain which in all probability will cause an outbreak of infectious disease. In a case of typhoid which occurred during the year, and which proved fatal, I found that the drain to the house where the case occurred was entirely choked almost from end to end with faecal matter, and I have no hesitation in saying that if proper attention had been given to the drain inlet to the cesspool this particular case of typhoid would not have occurred, and a life therefore saved.

DRAINS.

During the year 73 drains were found to be in a defective condition by means of either the water or smoke test. In each instance the drains were either cleansed, relaid, or reconstructed—afterwards examined and retested to ensure that the drains were in working order and in a satisfactory condition. Twenty-six choked and defective gullies were found, which were either cleansed or replaced with new, and in 45 instances new channels have been fixed leading to gullies to carry the discharge from waste pipes.

During the ensuing year there is every probability that a large number of house drains will be connected to the new sewers, and the whole of the drains so connected will have self-cleansing gradients, will be properly intercepted from the sewer, and thoroughly ventilated, attainments hitherto almost impossible in this district where drains are connected to cesspools.

WASTE PIPES, &c.

During the year 81 waste pipes from scullery sinks, baths, and lavatories, which were found to be choked, untrapped, or in a defective condition, have been cleansed, trapped, or made sound, and caused to discharge separately and on to open channels leading to gullies. In fourteen instances rain water downspouts or gutters have been cleansed, and the joints recaulked and made watertight. Three defective lavatory basins have been replaced with new, and one lead-lined wooden sink which was found to be in a dilapidated and foul condition replaced with new one of glazed stoneware.

WATER CLOSETS, SOIL PIPES, AND W.C.
CONNECTIONS.

In four instances foul washout w.c. basins enclosed in

wooden casings have been entirely removed, and new pedestal wash-down w.c. basins fixed in lieu thereof.

In 19 instances the soil pipes and w.c. connections were found in a defective condition. In each case these were made sound and gas tight.

PAIL CLOSETS.

Forty-four defective pails and pail closets have been replaced with new G. I. pails.

PRIVIES AND ASHPITS.

Twenty-three foul privies and ash pits have been abolished during the year, and pail closets and G. I. ashbins substituted in lieu thereof.

INFECTIOUS DISEASE.

Enquiries were made into each of the 85 cases of Infectious Diseases which were notified in accordance with the instructions of the Medical Officer. In each instance the rooms were thoroughly disinfected by the Birkdale Staff, and the bedding and clothing belonging to the patient taken to Birkdale for disinfection. Thirty-three notices under the Infectious Disease Prevention Act were served on the owners or occupiers of premises to scrape the walls and ceilings and afterwards wash down with a solution of carbolic acid the rooms in which infectious sickness occurred. These notices were either promptly complied with, or a request was made to the Council to execute the work.

DAIRIES AND COWSHEDS.

The Dairies and cowsheds in the District have been inspected from time to time. The periodical limewashing has been regularly carried out, and in not a few instances supplemented when the attention of the occupier has been called to the condition of the walls requiring re-limewashing. The utensils used by the cowkeepers have from time to time been inspected by the Medical Officer of Health and myself, and in one instance only was it necessary to call the attention of the cowkeeper to the state of his cans.

During the year 32 notices dealing with 110 defects have been served on the various cowkeepers in the district. Nearly the whole of the defects are in connection with the structure and drainage of the buildings, and the work of remedying the defects is in hand. Three new shippons are in course of erection ; three new floors of concrete have been put in existing shippons, and in four instances additional lighting has been provided. During the latter portion of the year the Council decided to have samples of milk taken from the various cowkeepers in the district, and submitted for Bacteriological Examination. Three samples were taken during November, and three samples during December. The samples were immediately forwarded to the Public Health Laboratories at Manchester, and were all found to be " not tubercular " ; in two instances, however, very slight traces of the bacillus coli were found to be present.

SLAUGHTER HOUSES.

There are two Licensed Slaughter Houses in the District, one of which is licensed annually. Visits have been made from time to time, and their condition has always been found satisfactory.

FACTORY AND WORKSHOPS ACT, 1901.

The Workshops and Workplaces in the District have been visited from time to time. The premises have always been found to be in a cleanly state. Two cases of overcrowding were found ; in one instance one person was removed, while in the other instance an additional room was occupied temporarily pending removal to larger premises in course of erection.

There are 38 Workshops on the register, consisting of seven Bakehouses, 11 Dressmakers, nine Bootmakers, five Joiners and Builders, one Cycle Repair Shop, one Cabinet Maker, one Saddler, one Tinsmith, one Wheelwright, and one Laundry.

OUT-WORKERS' LIST.

One list of Outworkers containing the name of one outworker has been received during the year from the Sanitary Department of the City of Liverpool. The premises have been inspected and found in a sanitary condition. Enquiries have been made as to whether the apprentices engaged in any of the workshops or workplaces in the district do any homework with the result that as far as can be ascertained no work is taken from the places of employment to be done at home.

BAKEHOUSES.

There are seven Bakehouses in the District, which have been regularly inspected. With the exception of one instance the premises internally are exceptionally clean. The premises are regularly lime-washed, and the floors and utensils are always to be found in a cleanly condition. The external condition of the Bakehouses will be considerably improved on completion of the Sewerage Scheme.

HOUSING OF THE WORKING CLASSES ACT.

During the year two of the thatched cottages of the old type have been demolished and new cottages erected in their place. With respect to the remaining old cottage in the district, these are still under the observation of the Health Committee.

REMOVAL OF HOUSE REFUSE.

The contents of the pail closets and ashbins have been regularly emptied and disinfected by the Contractor during the year ; the ashpits have also been emptied and disinfected by the Contractor upon receipt of notice so to do. The whole of the refuse is placed upon land, and is suitably treated.

	£	s.	d.
The number of ashpits emptied during the year was 2,313, at a cost of	169	1	3
The number of ashbins emptied during the year was 6,368, at a cost of	79	12	0
The number of pail closets emptied during the year was 17,700, at a cost of	147	10	0
	<hr/>		
	£396	3	3
	<hr/>		

The above numbers show an increase of 321 ashpits, 1,415 bins, and 3,166 pail closets compared with those emptied in the previous twelve months.

With reference to the emptying of ashpits, etc., I would point out that a considerable quantity of both animal and vegetable matter is found deposited in receptacles used for the house refuse, which cause such receptacles to become exceedingly foul and offensive. Ashpits, etc., would be much sweeter

if they were used only for such house refuse that could not be burnt. Potato peelings, vegetable refuse, bones, grease, etc., should be placed at the back of the kitchen fire when created, and not be accumulated in the ashpit or bin, which, as a rule, is not many yards from the dwelling. If this were done not only would ashpits and bins become less foul, but a considerable saving in the cost of emptying would be effected.

SUMMARY.

Cesspools cleansed, repaired, or provided with proper covers	14
Defective drains re-laid, re-constructed, or cleansed ..	73
Gullies fixed in lieu of defective ones	26
Drains disconnected from watercourse	1
Channels of cement or stoneware for discharge of waste pipes	45
Defective waste pipes, trapped or made good	81
Soil pipes and w.c. connections made gas tight	19
Wash-out w.c. basins removed and pedestal wash-down provided	4
Foul and deep ashpits filled in to ground level and paved ..	12
Ashpit accommodation provided	11
Defective privies abolished and pails and bins provided ..	23
Defective and leaking pails renewed	44
Defective roof repaired	1
Defective rainwater gutters and downspouts repaired ..	14

Yard surfaces repaired	4
Foul wooden sinks removed and replaced with stoneware sink	2
Foul catchpit removed from interior of premises ..	1
Gullies removed from interior of premises	6
Foul and defective floors and pigstyes made good with new	6
Cesspools and middens removed from shippons.. ..	3
New floors put in shippons —	3
Additional lighting provided to shippons	4
Number of samples of milk taken for Bacteriological Examination	6
Number of samples of water taken for Bacteriological Examination	2
Number of samples of cockles taken for Bacteriological Examination	3
Number of samples of Jam taken for Bacteriological Examination	1

I am,

Mr. Chairman and Gentlemen,

Your obedient Servant,

A. W. PATTISON

